## <u>IN THE CLAIMS</u>

Please cancel claims 25-29 without prejudice.

1. (Original) A method comprising:

depositing a zeolite - solvent solution on an underlying layer;
removing at least some of the solvent from the zeolite – solvent
solution to form a zeolite film; and

depositing a carbon doped oxide (CDO) in the zeolite film to form a zeolite – CDO composite film.

- 2. (Original) The method of claim 1, wherein the solvent is water.
- 3. (Original) The method of claim 1, wherein the solvent is an organic oligomer.
- 4. (Original) The method of claim 3, wherein the organic oligomer is selected from a group consisting of polyethylene glycol, poly styrene, poly (Methacrylates), Poly (acrylate), or poly ethylene oxide.
- 5. (Original) The method of claim 1, wherein removing at least some of the solvent from the zeolite – solvent solution comprises: drying the zeolite – solvent solution.

- 6. (Original) The method of claim 1, wherein removing at least some of the solvent from the zeolite – solvent solution comprises: vacuuming the zeolite – solvent solution.
- 7. (Original) The method of claim 1, wherein depositing the zeolite solvent solution on the underlying layer comprises:
  spin-coating the zeolite - solvent solution on the underlying layer.
- 8. (Original) The method of claim 1, wherein depositing the zeolite solvent solution on the underlying layer comprises:
  dip-coating the zeolite solvent solution on the underlying layer.
- (Original) The method of claim 1, wherein depositing the CDO in the zeolite film comprises:

chemical vapor deposition of the CDO in the zeolite film.

- 10. (Original) The method of claim 1, wherein the CDO is a silicon oxide.
- 11. (Original) The method claim 1, wherein the underlying layer is a wafer.

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- 12. (Original) The method claim 1, wherein the underlying layer is an interlayer dielectric layer.
- 13. (Original) The method claim 12, wherein the interlayer dielectric layer comprises a zeolite carbon doped oxide composite film.
- 14. (Original) The method of claim 1, further comprising calcinating the zeolite CDO composite film to form a solid phase zeolite CDO composite film.
- 15. (Original) The method claim 14, wherein calcinating the zeolite CDO composite film comprises:

heating the zeolite – CDO composite film; and cooling zeolite – CDO composite film.

- 16. (Original) The method of claim 15, wherein heating the zeolite CDO composite film is done in an oven.
- 17. (Original) The method of claim 16, wherein the oven is at a temperature in the range of 300°C to 550°C.

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18. (Original) The method of claim 14, wherein the steps of depositing the zeolite - solvent solution, removing at least some of the solvent from the zeolite - solvent solution, and depositing a CDO are repeated before calcinating the zeolite - CDO composite film to achieve a thicker zeolite - CDO composite film.

19. (Original) A method comprising:

forming a zeolite – carbon doped oxide (CDO) composite interlayer dielectric on an underlying layer;

etching a via opening and a trench in the zeolite – CDO composite interlayer dielectric; and

forming a conductive material in the via opening and the trench.

20. (Original) The method of claim 19, wherein forming the zeolite – CDO composite interlayer dielectric on the underlying layer comprises:

depositing a zeolite – solvent solution on the underlying layer;

drying the zeolite – solvent solution to remove at least some of the

solvent to form a zeolite film; and

depositing a CDO in the zeolite film by chemical vapor deposition to form a zeolite – CDO composite film;

heating the zeolite – CDO composite film; and cooling the zeolite – CDO composite film.

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- 21. (Original) The method of claim 20, wherein depositing the zeolite solvent solution on the underlying layer comprises spin-coating the zeolite solvent solution on the underlying layer.
- 22. (Original) The method of claim 20, wherein depositing the zeolite solvent solution on the underlying layer comprises dip-coating the zeolite solvent solution on the underlying layer.
- 23. (Original) The method of claim 20, wherein the CDO is a silicon oxide.
- 24. (Original) The method claim 20, wherein the underlying layer is a wafer.
- 25. (Withdrawn) An interconnect structure comprising:
  at least a via and a trench defined by a carbon doped oxide (CDO) –
  zeolite composite dielectric, which is disposed above an underlying layer;
  a barrier layer disposed on the surfaces of the carbon doped oxide
  (CDO) zeolite composite dielectric; and
  conductive material disposed in the via opening and the trench.

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- 26. (Withdrawn) The interconnect structure of claim 25, wherein the CDO is a silicon oxide.
- 27. (Withdrawn) The interconnect structure of claim 25, wherein the barrier layer comprises tantalum.
- 28. (Withdrawn) The interconnect structure of claim 25, wherein the conductive material comprises a copper alloy.
- 29. (Withdrawn) The interconnect structure of claim 25, wherein the underlying layer is a wafer.